FIG.1

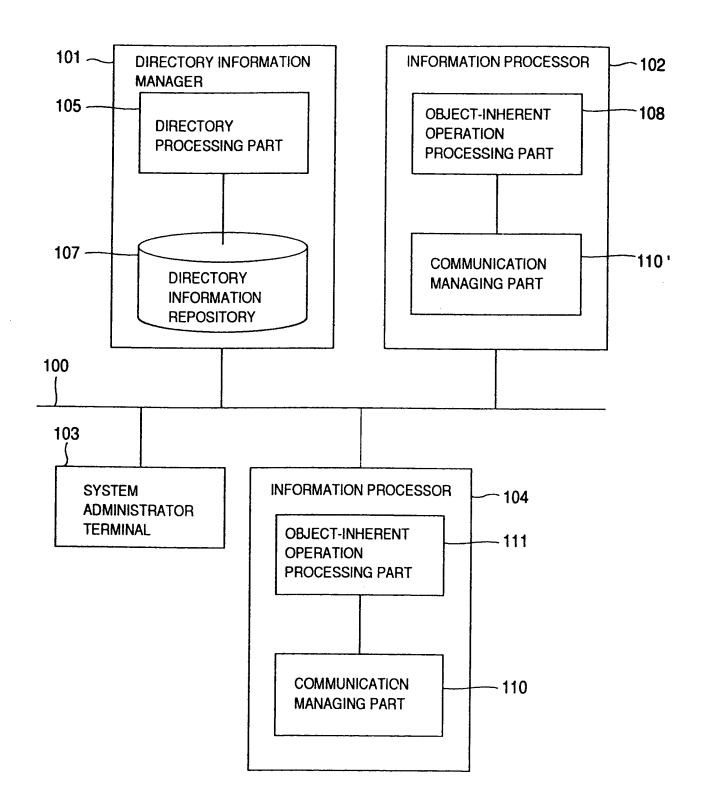
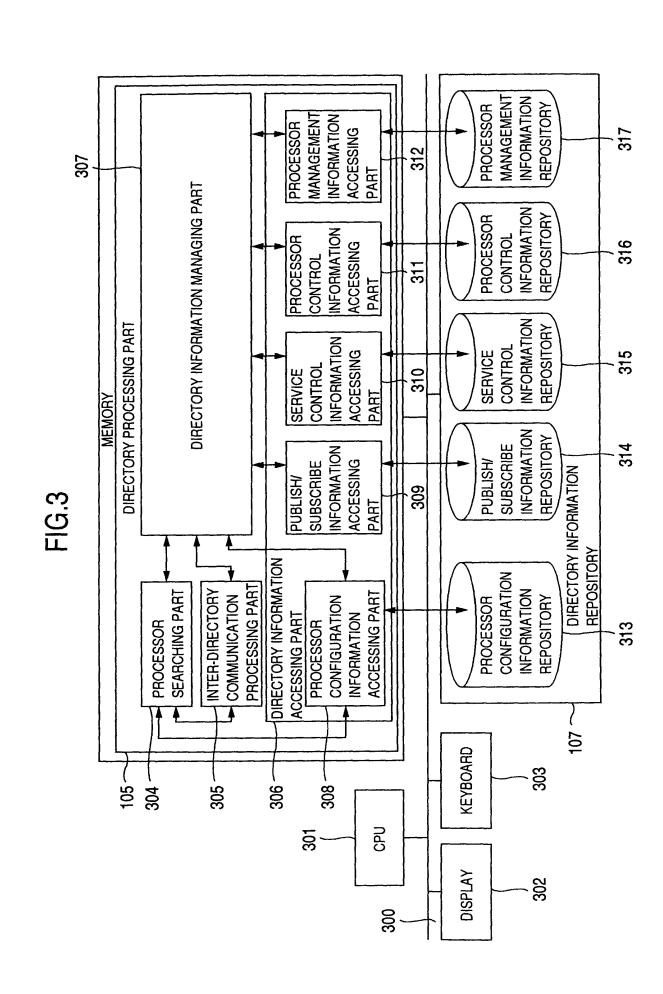


FIG.2

TART	
REGISTRATION OF DIRECTORY INFORMATION IS REQUESTED BY DIRECTORY INFORMATION MANAGER 101	200
DIRECTORY PROCESSING PART 105 STORES DIRECTORY INFORMATION IN DIRECTORY INFORMATION REPOSITORY 107	201
OBJECT-INHERENT OPERATION PROCESSING PART 111 IN INFORMATION PROCESSOR 104 CREATES CHARACTERISTIC MESSAGE AND PASSES IT TO COMMUNICATION MANAGING PART 110	202
COMMUNICATION MANAGING PART 110 REQUESTS DIRECTORY INFORMATION MANAGER 101 TO SEARCH INFORMATION PROCESSORS	
DIRECTORY PROCESSING PART 105 FINDS FROM DIRECTORY INFORMATION REPOSITORY 107 INFORMATION PROCESSOR 102 HAVING COINCIDED SEARCHING CONDITIONS, EXTRACTS DIRECTORY INFORMATION ABOUT INFORMATION PROCESSOR 102 AND RETURNS IT TO INFORMATION PROCESSOR 104	204
COMMUNICATION MANAGING PART 110 IN INFORMATION PROCESSOR 104 PERFORMS OPERATION BASED ON DIRECTORY INFORMATION AND SENDS IT TO INFORMATION PROCESSOR 102	205
COMMUNICATION MANAGING PART 110 IN INFORMATION PROCESSOR 102 RECEIVES MESSAGE, PERFORMS OPERATION BASED ON DIRECTORY INFORMATION, AND PASSES MESSAGE TO OBJECT-INHERENT OPERATION PROCESSING PART 108	206
OBJECT-INHERENT OPERATION PROCESSING PART 108 PERFORMS OPERATION INHERENT IN INFORMATION PROCESSOR 102	207

END



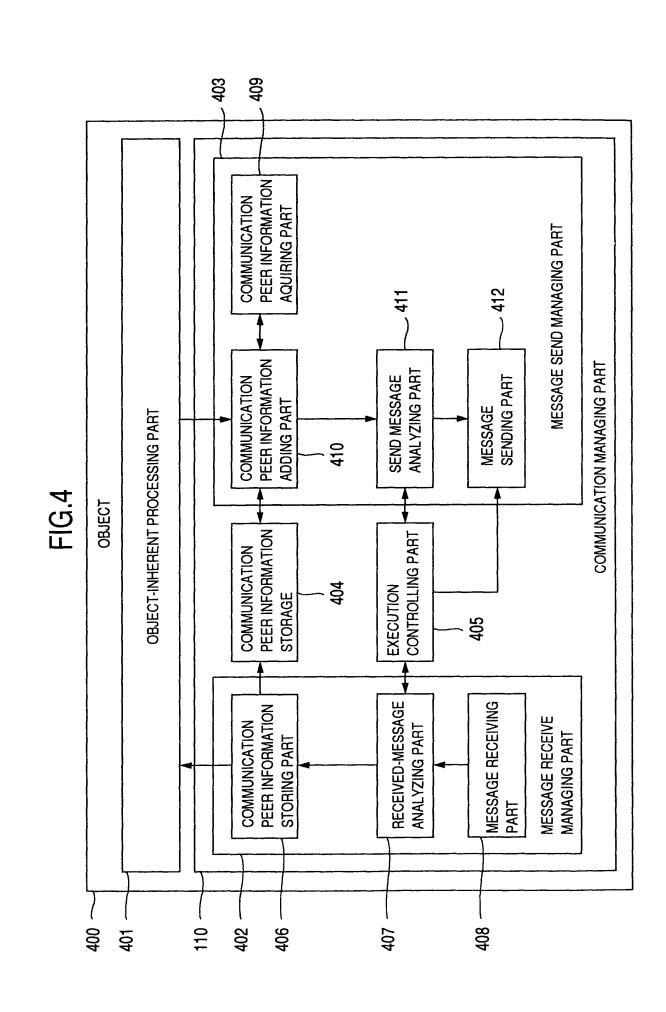


FIG.5

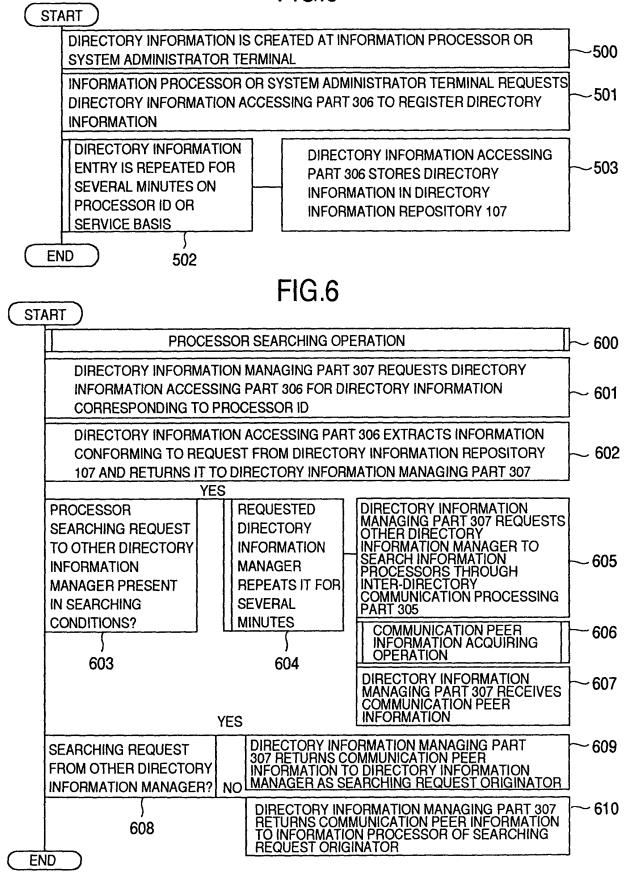


FIG.7

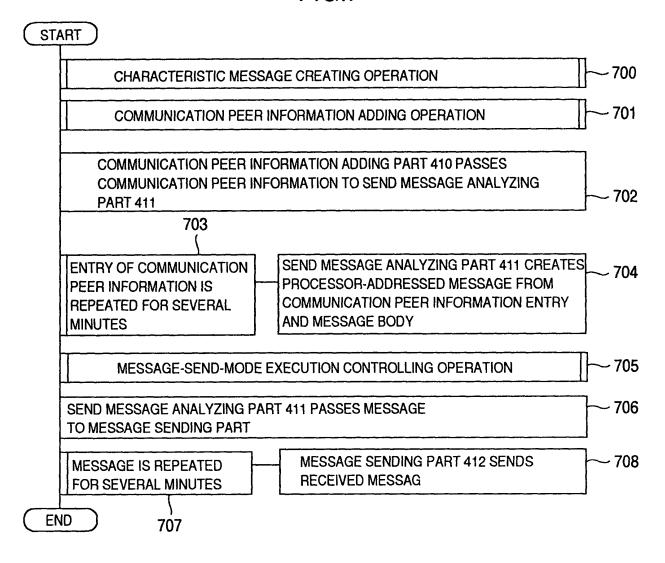


FIG.8

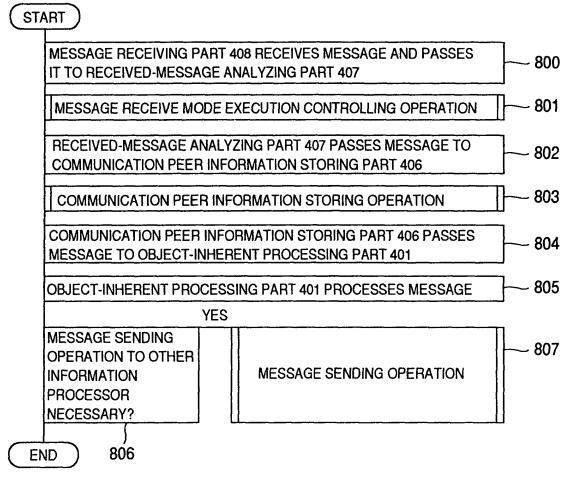
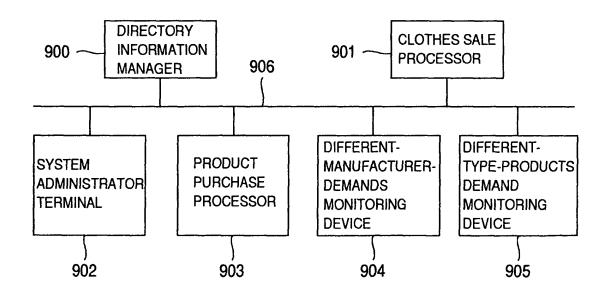


FIG.9



**FIG.10** 

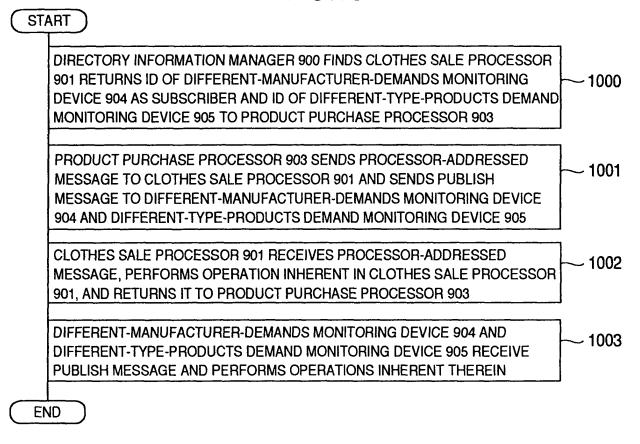
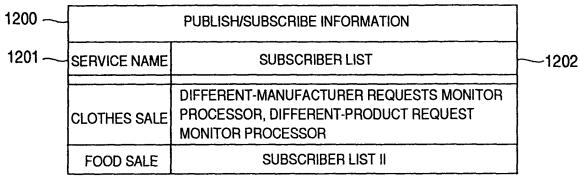


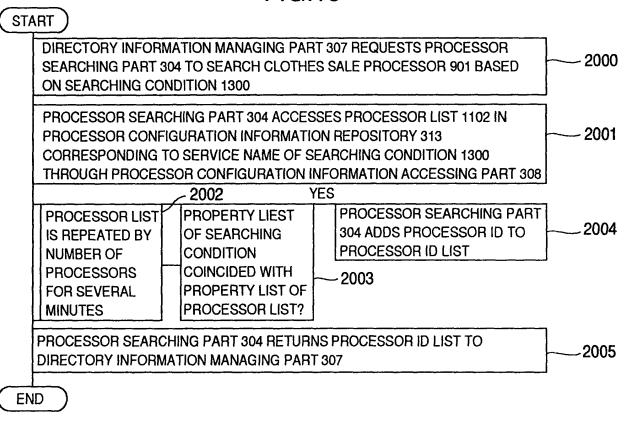
FIG.11

1100 ~	PROCESSOR CONFIGURATION INFORMATION		
1101 ~	SERVICE NAME	PROCESSOR LIST	1102
	CLOTHES SALE	CLOTHES SALE PROCESSOR I (PROPERTY LIST I) CLOTHES SALE PROCESSOR II (MANUFACTURER: APPAREL I, APPAREL II TYPE: OUTDOORS CASUAL, SPORTS WEAR) CLOTHES SALE PROCESSOR III (PROPERTY LIST III)	
	FOOD SALE	PROCESSOR LIST II	

**FIG.12** 



**FIG.13** 



**FIG.14** 

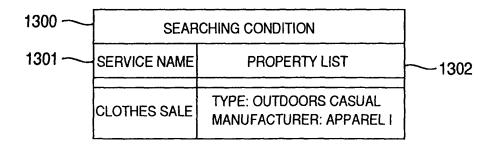
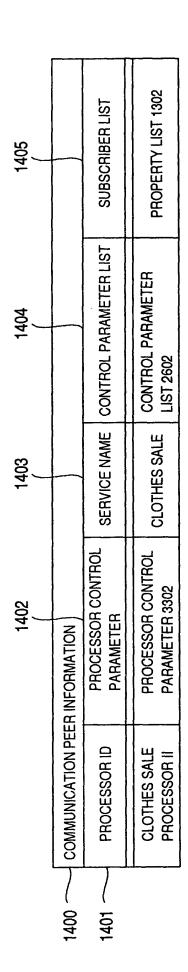


FIG.15



**FIG.16** 

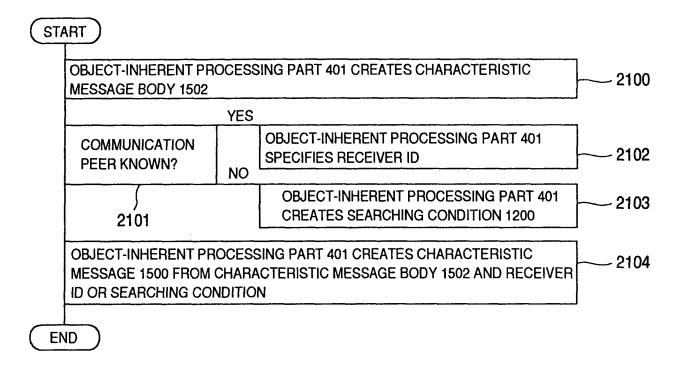
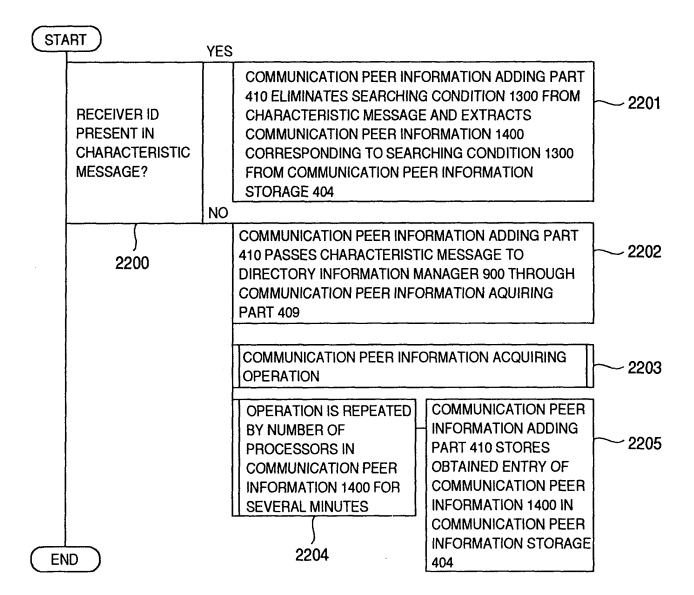
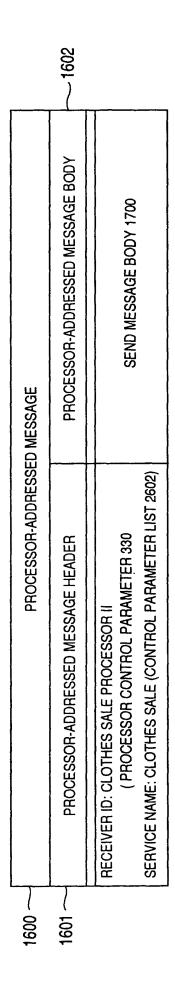


FIG.17

1500 ~	CHARACTERISTIC MESSAGE		
1501 ~	CHARACTERISTIC MESSAGE HEADER	CHARACTERISTIC MESSAGE BODY	1502
	RECEIVER ID: (NOT SPECIFIED) SEARCHING CONDITION 1300	SEND MESSAGE BODY 1700	

**FIG.18** 





**FIG.20** 

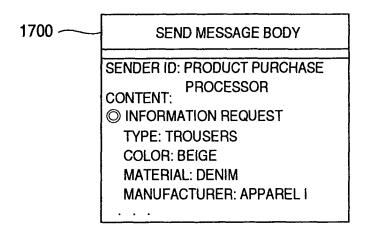
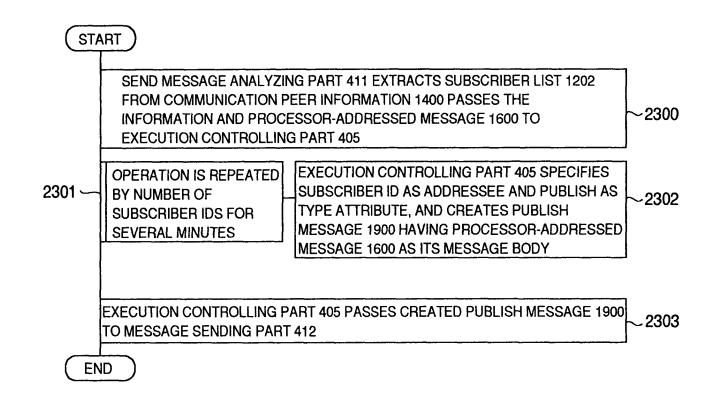


FIG.21



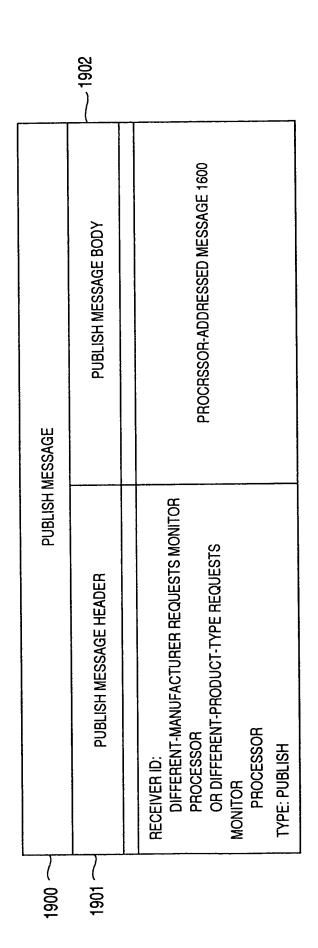
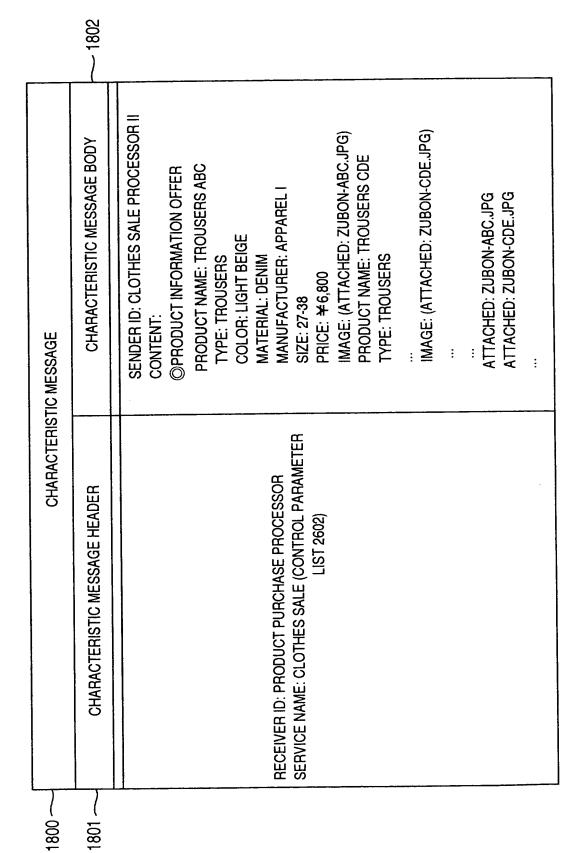
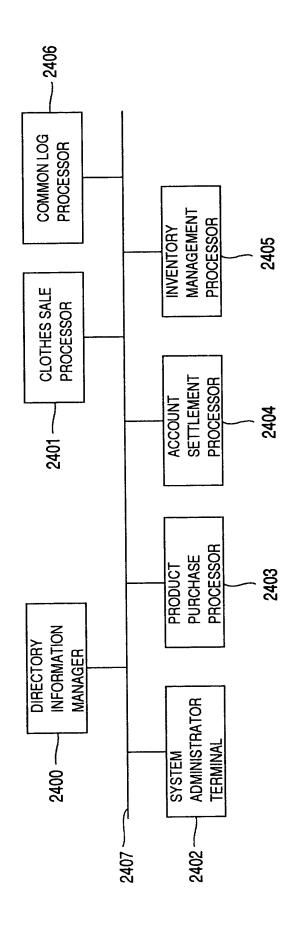


FIG.23





## **FIG.25**

STA	ART
-----	-----

DIRECTORY INFORMATION MANAGING PART 307 FINDS CLOTHES SALE PROCESSOR 2401 FROM PROCESSOR CONFIGURATION INFORMATION REPOSITORY 313 AND EXTRACTS SERVICE CONTROL INFORMATION 2600 FROM SERVICE CONTROL INFORMATION REPOSITORY 315

2500

PRODUCT PURCHASE PROCESSOR 2403 PERFORMS OPERATION BASED ON SERVICE CONTROL INFORMATION 2600 AND SENDS PROCESSOR-ADDRESSED MESSAGE 1600 TO CLOTHES SALE PROCESSOR 2401

2501

CLOTHES SALE PROCESSOR 2401 RECEIVES PROCESSOR-ADDRESSED MESSAGE 1600, PERFORMS OPERATION BASED ON SERVICE CONTROL INFORMATION 2600, PERFORMS OPERATION INHERENT IN CLOTHES SALE PROCESSOR 2401, AND THEN SENDS CHARACTERISTIC MESSAGE 2700 TO DIRECTORY INFORMATION MANAGER 2400 AND INVENTORY MANAGEMENT PROCESSOR 2405 AS PROCESSOR-ADDRESSED MESSAGE

2502

ACCOUNT SETTLEMENT PROCESSOR 2404 AND INVENTORY MANAGEMENT PROCESSOR 2405 RECEIVE PROCESSOR-ADDRESSED MESSAGE (CHARACTERISTIC MESSAGE 2700), PERFORM OPERATIONS B ASED ON CONTROL PARAMETER LIST 2602, AND PERFORM OPERATIONS INHERENT IN ACCOUNT SETTLEMENT PROCESSOR 2404 AND INVENTORY MANAGEMENT PROCESSOR 2405

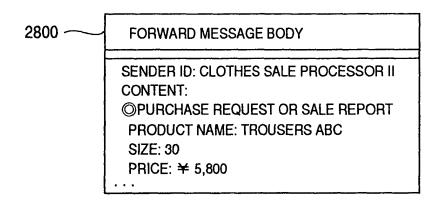
2503

END

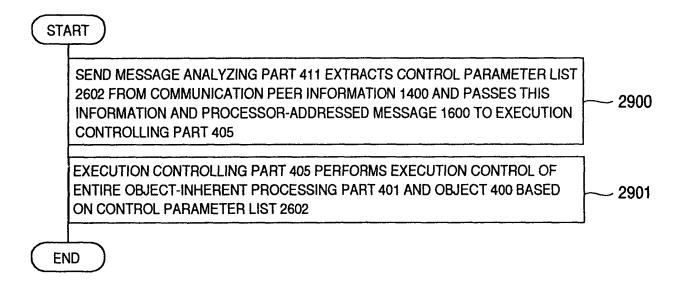
## **FIG.26**

2600 ~		SERVICE CONTROL INFORMATION	
2601 ~	SERVICE NAME	CONTROL PARAMETER LIST	<u> 2602</u>
	CLOTHES SALE	LOG ACQUIRING METHOD: COMMON LOG PROCESSOR OR INQUIRING SYSTEM LOG ACQUIRING TYPE: MESSAGE HEADER EXECUTION MODE: DEBUG	
	FOOD SALE	LOG ACQUIRING METHOD: SERVICE REQUEST ORIGINATOR RETURNING SYSTEM LOG ACQUIRING TYPE: SENDER/RECEIVER ID EXECUTION MODE: RELEASE	

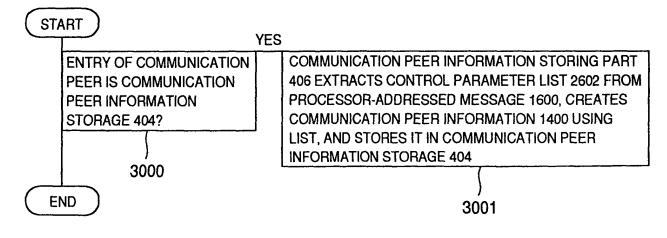
FIG.27

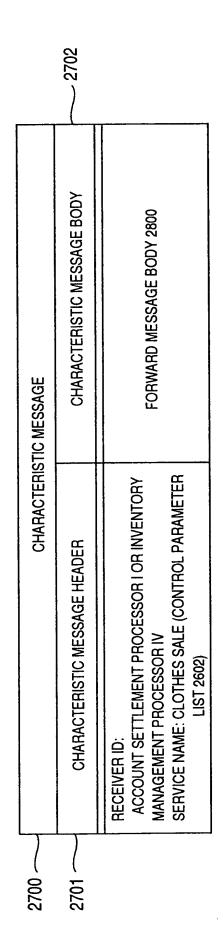


**FIG.28** 



**FIG.29** 





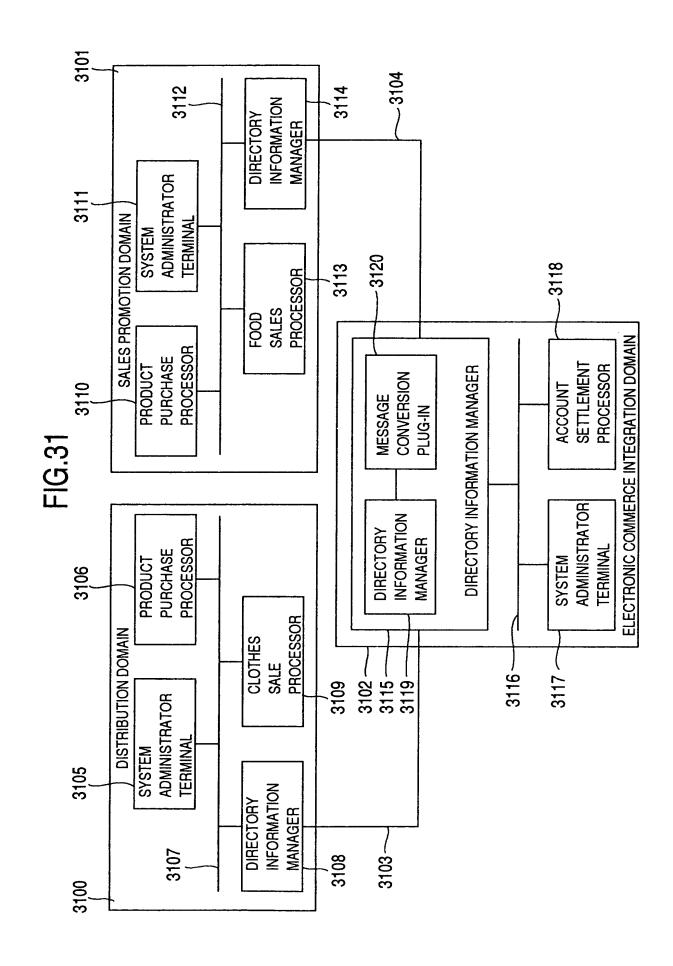


FIG.32

TART	YES
	CLOTHES SALE PROCESSOR 3109 SPECIFIES SERVCE TO DIRECTORY INFORMATION MANAGER 3108 AND REQUESTS IT TO SEARCH INFORMATION PROCESSORS 3201
SEND DESTINATION NOT KNOWN?	DIRECTORY INFORMATION MANAGER 3108 REQUESTS DIRECTORY INFORMATION MANAGER 3115 TO SEARCH INFORMATION PROCESSORS  2202
	DIRECTORY INFORMATION MANAGER 3115 FINDS ACCOUNT SETTLEMENT PROCESSOR 3118 HAVING COINCIDED SEARCHING CONDITION FROM PROCESSOR CONFIGURATION INFORMATION REPOSITORY 313, EXTRACTS PROCESSOR CONTROL PARAMETER 3302 FROM PROCESSOR CONTROL INFORMATION REPOSITORY 316, AND RETURNS IT TO DIRECTORY INFORMATION MANAGER 3108
3200	CLOTHES SALE PROCESSOR 3109 SPECIFIES ACCOUNT SETTLEMENT PROCESSOR 3118, AND EXTRACTS ENTRY OF ACCOUNT SETTLEMENT PROCESSOR 3118 FROM COMMUNICATION PEER INFORMATION STORAGE 404
	CLOTHES SALE PROCESSOR 3109 CREATES PROCESSOR CONTROL PARAMETER 3400 FROM PROCESSOR CONTROL PARAMETER 3302 AND FORWARD MESSAGE BODY 2800, AND SENDS IT TO PRODUCT PURCHASE PROCESSOR 3106
PROCESSOR CONTR	ATION MANAGER 3108 SUBSTITUTES SUITABLE VALUE FOR OL PARAMETER 3302 IN PROCESSOR CONTROL PARAMETER TO DIRECTORY INFORMATION MANAGER 3115
BODY 2800 IN PROCI	ATION MANAGER 3115 CONVERTS FORWARD MESSAGE ESSOR CONTROL PARAMETER 3400 INTO FORWARD 0 AND SENDS IT TO ACCOUNT SETTLEMENT 3207
<b>†</b>	ENT PROCESSOR 3118 RECEIVES PROCESSOR CONTROL  ND PERFORMS OPERATION INHERENT IN ACCOUNT  ESSOR 3118  3208

FIG. 33

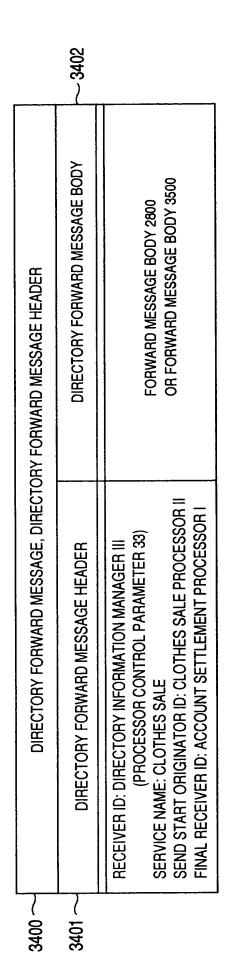
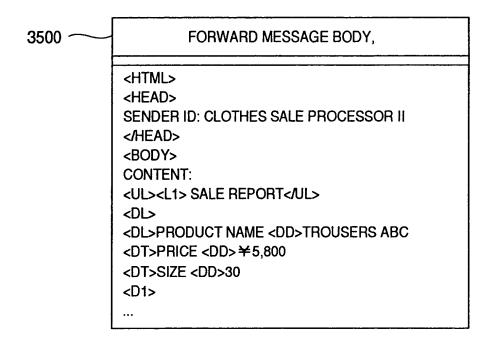


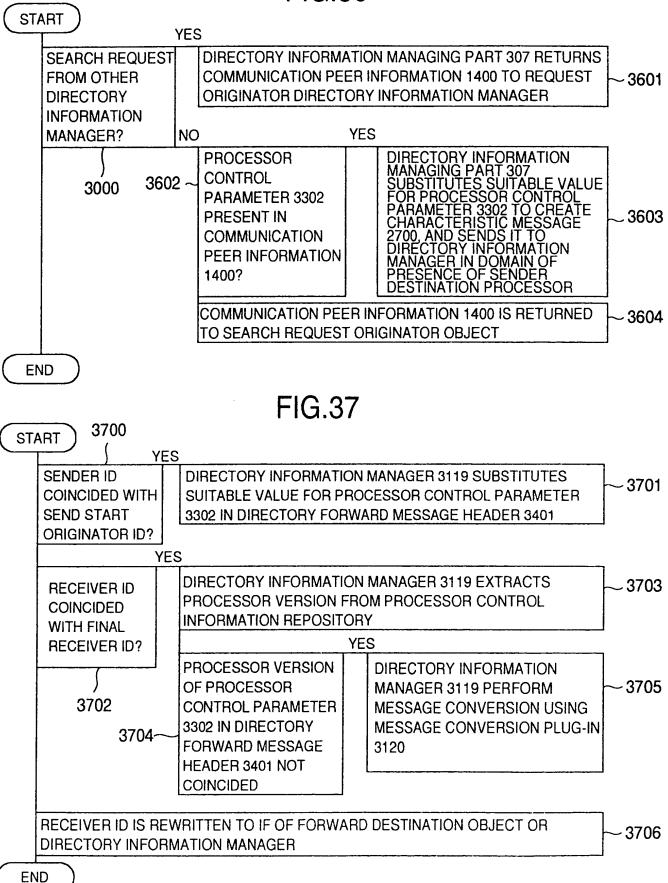
FIG.34

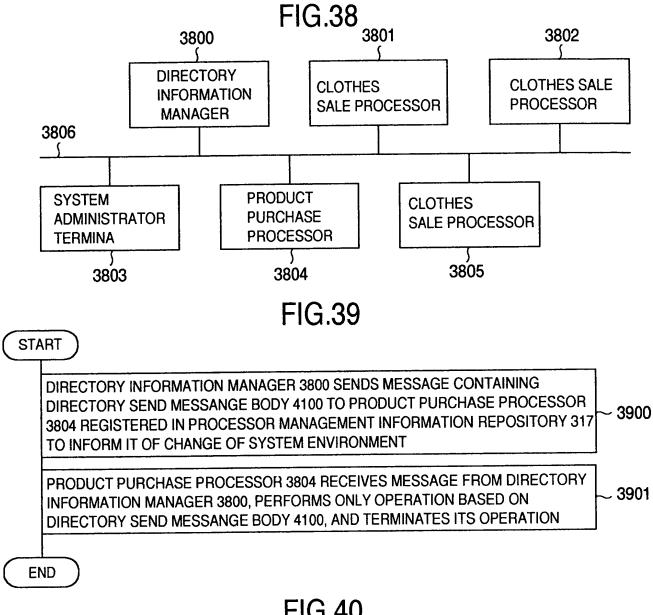


**FIG.35** 

3300 ~	PROCESSOR CONTROL INFORMATION		
3301 ~	PROCESSOR ID	PROCESSOR CONTROL PARAMETER	~ 3302
:	ACCOUNT SETTLEMENT PROCESSOR I	DOMAIN NAME: PROCESSOR PRESENCE DOMAIN= "ELECTRONIC COMMERCE INTEGRATION DOMAIN" PROCESSOR VERSION: CURRENT VALUE= 1.36	
	ACCOUNT SETTLEMENT PROCESSOR II	DOMAIN NAME: PROCESSOR PRESENCE DOMAIN= "ELECTRONIC COMMERCE INTEGRATION DOMAIN" PROCESSOR VERSION: CURRENT VALUE= 2.04	
	ACCOUNT SETTLEMENT PROCESSOR III	DOMAIN NAME: PROCESSOR PRESENCE DOMAIN= "ELECTRONIC COMMERCE INTEGRATION DOMAIN" PROCESSOR VERSION: CURRENT VALUE= 4.32	

**FIG.36** 

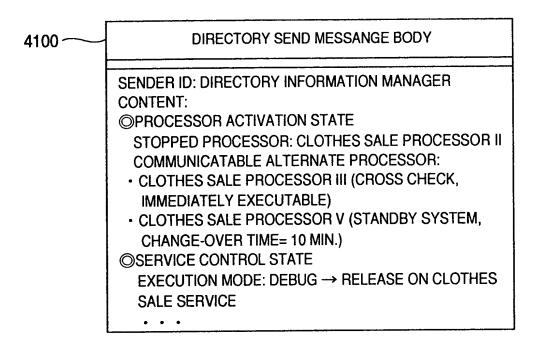




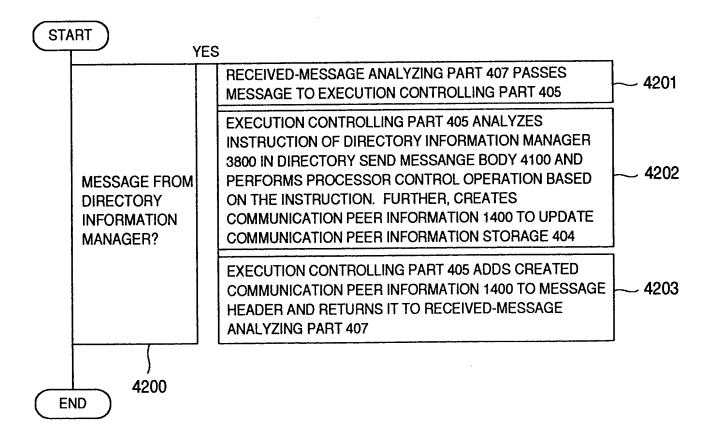
**FIG.40** 

4000~	PROCESSOR MANAGEMENT INFORMATION		
4001~	PROCESSO R ID	MANAGEMENT INFORMATION LIST	~4002
	CLOTHES PURCHASE PROCESSOR	COMMUNICATION PEER PROCESSOR: CLOTHES SALE PROCESSOR II, CLOTHES SALE PROCESSOR III OS: A-OS VER. 1.01	
	FOOD PURCHASE PROCESSOR	CPU: B-CPU 300 COMMUNICATION PROTOCOL: COMMUNICATIN PROTOCOL X	

**FIG.41** 



**FIG.42** 



**FIG.43** 

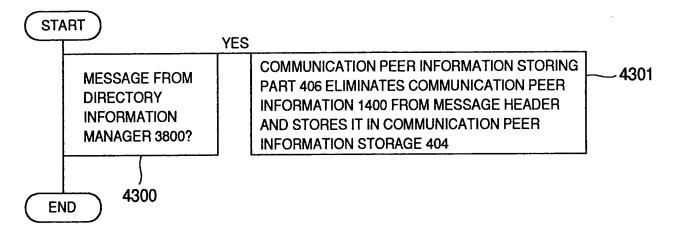
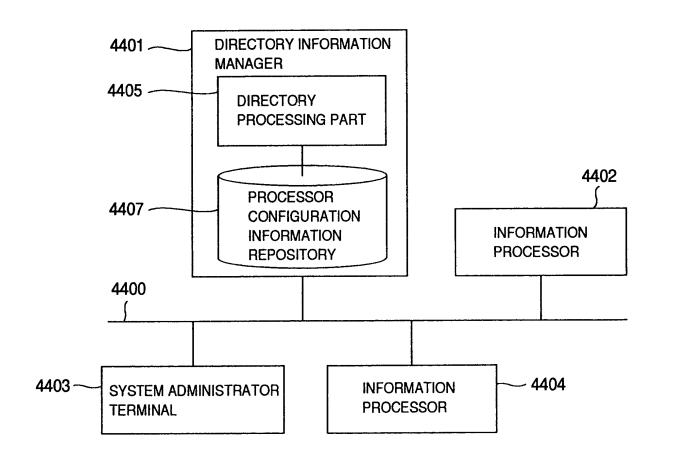


FIG.44



## FIG.45

## STA

STA	ART	
	INFORMATION PROCESSOR 4402 OR SYSTEM ADMINISTRATOR TERMINAL 4403 REQUESTS DIRECTORY INFORMATION MANAGER 4401 TO REGISTER PROCESSOR CONFIGURATION INFORMATION	4500
	DIRECTORY PROCESSING PART 4405 STORES PROCESSOR CONFIGURATION INFORMATION IN PROCESSOR CONFIGURATION INFORMATION REPOSITORY 4407	4501
	INFORMATION PROCESSOR 4404 REQUESTS DIRECTORY INFORMATION MANAGER 4401 TO SEARCH INFORMATION PROCESSORS,	4502
	DIRECTORY PROCESSING PART 4405 FINDS INFORMATION PROCESSOR 4402 HAVING COINCIDED SEARCHING CONDITION FROM PROCESSOR CONFIGURATION INFORMATION REPOSITORY 4407 AND RETURNS IT TO INFORMATION PROCESSOR 4404	4503
	INFORMATION PROCESSOR 4404 COMMUNICATES WITH INFORMATION PROCESSOR 4402 USING ID OF INFORMATION PROCESSOR 4402	4504
I	ID	